World Resources Company

RECYCLABLE MATERIAL PROFILE

Form: FM-M01 **EXHIBIT A**

Generator Name: Alaskan Co	opper Wo	orks					Co	mpan	y I.D. #:	22149-001-01	
A. Generator Information								,			
1. Address: 3200 Sixth Avenue South					3. Material EPA Waste Code: F006					****	
Coottle	- A Consented FDA ID All out 1945 DOCCTORS										
Seattle WA	4. Generator's EPA I.D. Number: WAD980738546										
2. Contact: Gerald Thompson		- 90	124	_ 5. Generator's State I.D. Number:							
Title: Environmental Assistant											
B. Recyclable Material Characteristics											
1. Color(s): Brown 6. Texture (similar to)				7. Appearance			Liquids	(FPA S	W 846 Me	thod 9095)	
	✓ We	,		Homogenous		9. Free Liquids (EPA SW 846, Method 9095) Not Present Present					
		Clay		romogenous							
2. Odor (none,mild,strong)	San	•		Bilayered		10. Debi	ris		11. Re	activity	
None	Powder			biidyorod		✓ Not Present ✓ Not Reactive		Reactive			
Description of Odor:	Other			Multilayered		Pre	esent		□ Rea	active	
2 Maintage (111)						to the second se					
3. Moisture (wet,damp,dry) Wet	8. Organic Vapors		If proceed in	Present		12. Radionuclides (ASTM D5928-96)					
Percent Solids: 20.3	Not Present (< 1ppm) If pr		amount in p	pentity compounds and pm on a wet basis.		✓ Not Detected					
4. pH 5. Ignitability	Pass		13. Cyanide			nide Gas	Gas HCN				
(EPA SW 846, (40 CFR §261.21)	V 1 433					✓ No	t Detecte	d			
method 9040/9045) pH: 8.67 @ 19.5 °C FAIL	Fail					☐ De	tected _			ppm	
C. Analytical Data		(Content	on a dry wei	ght basis in	ppm or %)					· · · · · · · · · · · · · · · · · · ·	
Constituent *		Content	Qualifier		Const	tituent *		Со	ntent	Qualifier	
1 Aluminum ¹	Al	7340.0 ppm	M3	19.	Magnes	ium 1	Mg	208	30.0 ppm		
2. Antimony 1,†	Sb	18.8 ppm		20.	Mangan	iese 1	Mn		0.0 ppm		
3. Arsenic ^{1,†}	As	48.5 ppm		21.	Mercur	·y 1	Hg	<	5.8 ppm 1	M2	
4. Barium ^{1,†}	Ва	96.2 ppm	M1	22.	Nickel	1,†	Ni	5510	0.0 ppm 1	И З	
5. Beryllium 1.†	Ве	< 10.0 ppm		23.	Seleni	um 1,†	Se	< 5	0.0 ppm		
6. Bismuth 1	Bi	101.0 ppm		24.	Silver	1,†	Ag	<	5.0 ppm 1	И1	
7. Cadmium 1,†	Cd	< 20.0 ppm		25.	Thalli	.um 1,†	Tl	< 2	0.0 ppm		
8. Calcium 1	Ca	13100.0 ppm		26.	Tin 1,†		Sn	< 10	0.0 ppm		
9. Chloride 4	Cl	0.17 %		27.	Zinc 1,t		Zn	78	6.0 ppm		
10 Chromium, Hexavalen	t 2 Cr +6	3466.7 ppm		e per design							
11. Chromium, Total ^{1,†}	Cr	47800.0 ppm	M1								
12. Cobalt ¹	Co	732.0 ppm			* Analytical Procedure References						
13. Copper 1.t	Cu	38400.0 ppm	M1	1. &	1. EPA Method SW846 3050 / 6010 (Digestion / Analysis)						
14. Cyanide, Amenable 3,1	CN.	not analyzed		2. E	2. EPA Method SW846 3060 / 7196 (Extraction / Analysis)						
15. Cyanide, Total ^{3,†}	CN.	< 49.3 ppm		3. E	3. EPA Method SW846 9010 / 9213 or 9014 (Distillation / Anaylsis)						
16. Fluoride 4	F	0.74 %		4. +	4. HNO3 or H ₂ O ₂ / EPA Method SW846 9056 (Digestion / Analysis)						
17. Iron ¹	Fe	249000.0 ppm	M2	† L	† Licensed Constituent						
18. Lead 1,†	Pb	82.7 ppm					·				
D. Certification											
I hereby certify that all information submitted in this profile is complete and accurate to the best of my knowledge and belief.											
Signed: Date:											
Title: Laboratory Manager				AZ DHS #:	AZ0586						

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QA/QC DATA

Form: FM-M01 **EXHIBIT A**

Generator Name: Alaskan Copper Works

Company I.D. #: 22149-001-01

QA/QC Criteria: All analyses met method criteria unless otherwise noted.

Explanation of Data Qualifiers:

M1

Matrix spike recovery was high; the associated blank spike recovery was acceptable.

M3

The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The

associated blank spike recovery was acceptable.

M2

Matrix spike recovery was low; the associated blank spike recovery was acceptable.

World Resources Company

SAMPLE COLLECTION & ANALYSIS COMPLETION DATES

Form: FM-M01 **EXHIBIT A**

Generator Name: Alaskan Copper Works

Company I.D. #: 22149-001-01

	Constituent		Sample Date	Completion Date	Sample Technician
1.	Aluminum	Al	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
2.	Antimony	Sb	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
3.	Arsenic	As	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
4.	Barium	Ва	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
5.	Beryllium	Ве	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
6.	Bismuth	Вi	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
7.	Cadmium	Cd	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
8.	Calcium	Ca	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
9.	Chloride	Cl	03/09/2009 12:25	03/18/2009 12:00	RUDY GARCIA
10.	Chromium, Hexavalent	Cr +	03/09/2009 12:25	04/28/2009 15:00	RUDY GARCIA
11.	Chromium, Total	Cr	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
12	Cobalt	Co	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
13.	Copper	Cu	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
14.	Cyanide. Amenable	CN.			
15.	Cyanide, Total	CN -	03/09/2009 12:25	03/17/2009 12:00	RUDY GARCIA
16.	Fluoride	F	03/09/2009 12:25	03/18/2009 12:00	RUDY GARCIA
17.	Iron	Fe	03/09/2009 12:25	04/28/2009 14:17	RUDY GARCIA
18.	Lead	Pb	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
19.	Magnesium	Mg	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
20.	Manganese	Mn	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
21.	Mercury	Нg	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
22.	Nickel	Ni	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
23.	Selenium	Se	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
24.	Silver .	Ag	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
25.	Thallium	71	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
26.	Tin	Sn	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA
27.	Zinc	Zn	03/09/2009 12:25	04/28/2009 11:48	RUDY GARCIA

8113 W. Sherman St Tolleson, AZ 85353-4025

Tel: 800.972.1955 Fax: 623.936.9164

April 30, 2009

Mr. Gerald Thompson **Environmental Assistant** Alaskan Copper Works 3200 Sixth Avenue South Seattle, WA 98124

Dear Mr. Thompson:

In accordance with the recycling Agreement with your company, World Resources Company (WRC) provides a "RECYCLABLE MATERIAL PROFILE" (RMP) each contract year. Enclosed, for your records, is a completed RMP for the material generated at your plant. If a qualifier is indicated on the RMP, WRC has provided a quality assurance/quality control case narrative to validate the constituent's result(s).

The concentration of metals reported on the RMP is the total concentration of each metal on a dry basis. The recyclable material is prepared for analysis by first grid-sampling and then drying the selected sample in the laboratory oven at 103°-105° centigrade in order to obtain a homogeneous dry sample (Standard Methods For The Examination of Water and Wastewater, 15th Edition, published by the American Public Health Association 1980, Method 209A "Total Residue at 103°-105° centigrade"). Therefore, these results are generally higher than the concentrations of your material as it leaves your facility. You should multiply these dry concentrations by the decimal form of your percent solids (i.e. 50.0% = 0.50) to obtain the concentration of your material as it leaves your plant.

WRC appreciates your business and looks forward to a long and mutually beneficial recycling relationship. Please feel free to call me at (800) 972-1955 with any questions you may have regarding the enclosed RMP. Thank you for your interest in recycling.

Sincerely,

World Resources Company

Jason Hensley
Laboratory Manager

Enclosures